

**IN THE CLAIMS:**

Please amend the indicated claims as follows:

1. (Currently amended) A diversity antenna system, comprising:  
  
a diversity pair of near omni-directional antennas;  
  
[[an]] a diversity pair of internal patch antennas; and,  
  
configuration means for selecting antenna type, the antenna type being one of the group consisting of the diversity pair of near omni-directional antennas and the diversity pair of internal patch antennas.
2. (Currently Amended) The diversity antenna system of claim 1, wherein the ~~configurable~~ diversity antenna system is rotatably mounted.
3. (Currently Amended) The diversity antenna system of claim 1, the internal patch antennas comprising a TM10 mode patch antenna.
4. (Original) The diversity antenna system of claim 1 wherein the configuration means is one of the group consisting of:  
  
a mechanical detect switch operable to determine the antenna type to be deployed,  
  
and

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a microprocessor having computer readable instructions stored on a computer readable medium, the computer readable instructions comprising,  
computer readable instructions for receiving input from a user;  
computer readable instructions responsive to said input for selecting the type of antenna based on said input.

5. (Currently Amended) The diversity antenna system of claim 1, the configuration means comprising a mechanical detect switch, said detect switch sensing the orientation of the diversity antenna system and selecting the antenna type based on said orientation.

6. (Original) A diversity antenna system for a UNII access point, comprising:  
an internal, captured, rotatably mounted near omni-directional antenna;  
a circuit board mounted inside the access point, the circuit board comprising:  
a near omni-directional antenna,  
a TM10 mode patch antenna; and  
a configuration means for selecting the antenna type, the antenna type being one of the group of internal, captured, rotatably mounted near omni-directional antenna, the near omni-directional antenna and the TM10 patch mode antenna.

7. (Original) The diversity antenna system of claim 6 wherein the configuration means comprises a mechanical detect switch.

8. (Original) The diversity antenna system of claim 6, wherein the configuration means comprises:

a semiconductor switch; and

a microprocessor having computer readable instructions stored on a computer

readable medium, the computer readable instructions comprising,

computer readable instructions for receiving input from a user;

computer readable instructions responsive to said input for selecting the type of antenna based on said input by controlling the semiconductor switch.

9. (Original) The antenna system of claim 6, wherein the access point is selected from the group consisting of a UNII-1 and a UNII-2 access point.

10. (Original) A diversity antenna system for a UNII access point, comprising:

an internal, captured, rotatably mounted near omni-directional antenna;

a circuit board mounted inside the access point, the circuit board

comprising:

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a near omni-directional antenna,  
a TM10 mode patch antenna,  
a semiconductor switch for switching to one of the internal, captured,  
rotatably mounted near omni-directional antenna, the near omni-directional antenna, and  
the TM10 mode patch antenna;

connection means adapted to connect the internal, captured, rotatably  
mounted near omni-directional antenna, the near omni-directional antenna, and the TM10  
mode patch antenna to the semiconductor switch; and a configuration means adapted to  
cause the semiconductor to switch for selecting the antenna type, the antenna type being  
one of the group of the internal, captured, rotatably mounted near omni-directional  
antenna, the near omni-directional antenna and the TM10 patch mode antenna.

11. (New) The diversity antenna system of claim 1 wherein the diversity pair  
of near omni-directional antennas and the diversity pair of internal patch antennas are  
constructed on the same printed circuit board.

12. (New) The diversity antenna system of claim 1 wherein the diversity  
antenna system is a component of a wireless access point.